



Form PTO-1449 (modified)

Atty. Docket No.
IOWA:030US/GNSSerial No.
09/828,498

List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Applicant
Jinhua Xiang *et al.*Filing Date:
April 5, 2001Group:
1643 1648U.S. Patent Documents
*See Page 1*Foreign Patent Documents
*See Page 1*Other Art
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
W	A5	5,766,840	6/16/98	Kim <i>et al.</i>	435	5	6/5/95
	A6	5,766,916	6/16/98	Belyaev <i>et al.</i>	435	219	4/24/96
	A7	5,824,507	10/20/98	Kim <i>et al.</i>	435	69.3	5/19/95
	A8	5,849,532	12/15/98	Kim <i>et al.</i>	435	69.3	6/6/95
	A9	5,856,134	1/5/99	Kim <i>et al.</i>	435	69.3	6/5/95
V	A10	5,859,230	1/12/99	Kim <i>et al.</i>	536	24.33	3/6/96

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation

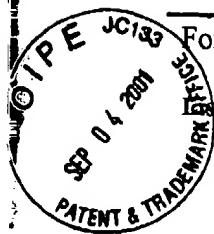
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
UW	A1	5,620,896	4/15/97	Herrmann, <i>et al.</i>	435	320.1	4/20/95
	A2	5,874,563	2/23/99	Kim, <i>et al.</i>	536	23.72	6/5/95
	A3	5,958,895	9/28/99	Pachuk, <i>et al.</i>	514	44	10/23/97
TD	A4	6,004,799	12/21/99	Luciw, <i>et al.</i>	435	236	12/21/99

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Exam. Init.	Ref. Des.	Citation
UW	C1	Agnello, <i>et al.</i> , "Hepatitis C virus and other Flaviviridae viruses enter cells via low density lipoprotein receptor," <i>PNAS</i> , 96(22):12766-12771, 1999.
	C2	Akiyoshi, <i>et al.</i> , "Intraspousal Transmission of GB Virus C/Hepatitis G Virus in an Hepatitis C Virus Hyperendemic Area in Japan," <i>Am. J. Gastroenterol.</i> , 94(6):1627-1631, 1999.
	C3	Alter, <i>et al.</i> , "Acute non-A-E Hepatitis in the United States and the Role of Hepatitis G Virus Infection," <i>N. Engl. J. Med.</i> , 336(11):741-746. 1997.
	C4	Alter, <i>et al.</i> , "The Incidence of Transfusion-Associated Hepatitis G Virus Infection and Its Relation to Liver Disease," <i>N. Engl. J. Med.</i> , 336(11):747-754. 1997.
	C5	Asada, <i>et al.</i> , "Human Herpesvirus 6 Infects Dendritic Cells and Suppresses Human Immunodeficiency Virus Type 1 Replication in Coinfected Cultures," <i>J. Virol.</i> 73(5):4019-4028, 1999.
	C6	Beard, <i>et al.</i> , "An Infectious Molecular Clone of a Japanese Genotype 1b Hepatitis C Virus," <i>Hepatology</i> , 30(1):316-324, 1999.
TD	C7	Birkenmeyer, <i>et al.</i> , "Isolation of a GB Virus-Related Genome From a Chimpanzee," <i>J. Med. Virol.</i> , 56:44-51, 1998.

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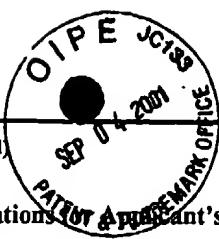
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Other Art

See Page 4

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
16	C8	Bukh, <i>et al.</i> , "Experimental Infection of Chimpanzees with Hepatitis G Virus and Genetic Analysis of the Virus," <i>J. Inf. Dis.</i> , 177:855-862, 1998.
	C9	Bukh, <i>et al.</i> , "Toward a Surrogate Model for Hepatitis C Virus: An Infectious Molecular Clone of the GB Virus-B Hepatitis Agent," <i>Virol.</i> , 262:470-478, 1999.
	C10	Cohen, <i>et al.</i> , "Hepatitis A Virus cDNA and Its RNA Transcripts Are Infectious in Cell Culture," <i>J. Virol.</i> , 61(10):3035-3039, 1987.
	C11	Dawson, <i>et al.</i> , "Prevalence Studies of GB Virus-C Infection Using Reverse Transcriptase-Polymerase Chain Reaction," <i>J. Med. Viro.</i> , 50:97-103, 1996.
	C12	de Martino, <i>et al.</i> , "Hepatitis G Virus Infection in Human Immunodeficiency Virus Type 1-Infected Mothers and Their Children," <i>J. Infect. Dis.</i> , 178:862-865, 1998.
	C13	Deacon, <i>et al.</i> , "Genomic Structures of an Attenuated Quasi Species of HIV-1 from a Blood Transfusion Donor and Recipients," <i>Science</i> , 270:988-991, 1995.
	C14	Dickens, <i>et al.</i> , "GB Virus C, Hepatitis G Virus, or Human Orphan Flavivirus?" <i>Hepatology</i> , 25(5):1285-1286, 1997.
	C15	Easterbrook, "Long-term Non-Progression in HIV Infection: Definitions and Epidemiological Issues," <i>J. Infect.</i> , 38:71-73, 1999.
	C16	Elvander, <i>et al.</i> , "An Experimental Study of a Concurrent Primary Infection with Bovine Respiratory Syncytial Virus (BRSV) and Bovine Viral Diarrhoea Virus (BVDV) in Calves," <i>Acta Vet. Scand.</i> , 39:251-264, 1998.
	C17	Emerson, <i>et al.</i> , "cDNA Clone of Hepatitis A Virus Encoding a Virulent Virus: Induction of Viral Hepatitis by Direct Nucleic Acid Transfection of Marmosets," <i>J. Viro.</i> , 66(11):6649-6654, 1992.
	C18	Feucht, <i>et al.</i> , "Distribution of Hepatitis G Viremia and Antibody Response to Recombinant Proteins With Special Regard to Risk Factors in 709 Patients," <i>Hepatology</i> , 26(2):491-494, 1997.
	C19	Fogeda, <i>et al.</i> , "In Vitro Infection of Human Peripheral Blood Mononuclear Cells by GB Virus C/Hepatitis G Virus," <i>J. Viro.</i> , 73(5):4052-4061, 1999.
16	C20	Gale, Jr., <i>et al.</i> , "Control of PKR Protein Kinase by Hepatitis C Virus Nonstructural 5A Protein: Molecular Mechanisms of Kinase Regulation," <i>Mol. Cell. Biol.</i> , 18(9):5208-5218, 1998

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Other Art

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
HW	C21	Gutierrez, <i>et al.</i> , "Seroprevalence of GB Virus C and Persistence of RNA and Antibody," <i>J. Med. Virol.</i> , 53:167-173, 1997.
	C22	Hong, <i>et al.</i> , "Generation of Transmissible Hepatitis C Virions from a Molecular Clone in Chimpanzees," <i>Virology</i> , 256:36-44, 1999.
	C23	Huang, <i>et al.</i> , "The role of a mutant CCR5 allele in HIV-1 transmission and disease progression," <i>Nature Med.</i> , 2:1240-1243, 1996.
	C24	Kolykhalov, <i>et al.</i> , "Identification of a Highly Conserved Sequence Element at the 3' Terminus of Hepatitis C Virus Genome RNA," <i>J. Virol.</i> , 70(6):3363-3371, 1996.
	C25	Kolykhalov, <i>et al.</i> , "Transmission of Hepatitis C by Intrahepatic Inoculation with Transcribed RNA," <i>Science</i> , 277:570-574, 1997.
	C26	Laskus, <i>et al.</i> , "Detection of Hepatitis G Virus Replication Sites by Using Highly Strand-Specific Tth-Based Reverse Transcriptase PCR," <i>J. Virol.</i> , 72(4):3072-3075, 1998.
	C27	Leary, <i>et al.</i> , "Sequence and Genomic Organization of GBV-C: A Novel Member of the Flaviviridae Associated With Human Non-A-E Hepatitis," <i>J. Med. Virol.</i> , 48:60-67, 1996.
	C28	Lefrère, <i>et al.</i> , "Carriage of GB Virus C/Hepatitis G Virus RNA Is Associated with a Slower Immunologic, Virologic, and Clinical Progression of Human Immunodeficiency Virus Disease in Coinfected Persons," <i>J. Infect. Dis.</i> , 179:783-789, 1999.
	C29	Linnen, <i>et al.</i> , "Molecular Cloning and Disease Association of Hepatitis G Virus: A Transfusion-Transmissible Agent," <i>Science</i> , 271:505-508, 1996.
	C30	Melvin, <i>et al.</i> , "Biophysical characterization of GB virus C from human plasma," <i>J. Virol. Methods</i> , 71:147-157, 1998.
	C31	Nerurkar, <i>et al.</i> , "High Prevalence of GB Virus C/Hepatitis G Virus Infection Among Homosexual Men Infected With Human Immunodeficiency Virus Type 1: Evidence for Sexual Transmission," <i>J. Med. Virol.</i> , 56:123-127, 1998.
	C32	Okamoto, <i>et al.</i> , "The entire nucleotide sequences of two GB virus C/hepatitis G virus isolates of distinct genotypes from Japan," <i>J. Gen. Virol.</i> , 78:737-745, 1997.
▼	C33	Pessoa, <i>et al.</i> , "Quantitation of Hepatitis G and C Viruses in the Liver: Evidence That Hepatitis G Virus Is Not Hepatotropic," <i>Hepatology</i> , 27(3):877-880, 1998.

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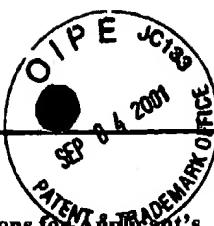
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Foreign Patent Documents

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Other Art

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
WW	C34	Pinto, <i>et al.</i> , "Inhibition of Human Immunodeficiency Virus Type 1 Replication prior to Reverse Transcription by Influenza Virus Stimulation," <i>J. Virol.</i> 74(10):4505-4511, 2000.
	C35	Rinaldo, Jr. <i>et al.</i> , "Fetal and Adult Bovine Interferon Production During Bovine Viral Diarrhea Virus Infection," <i>Infect. Immun.</i> 14(3):660-666, 1976.
	C36	Robertson, <i>et al.</i> , "Classification, nomenclature, and database development for hepatitis C virus (HCV) and related viruses: proposals for standardization," <i>Arch. Virol.</i> , 143(12):2493-2503, 1998.
	C37	Rowland-Jones, "Long-term Non-progression in HIV Infection: Clinico pathological Issues," <i>J. Infect.</i> , 38:67-70, 1999.
	C38	Sabin, <i>et al.</i> , "Effect of Coinfection With Hepatitis G Virus on HIV Disease Progression in Hemophilic Men," <i>J. Acquir. Immune Defic. Syndr.</i> , 19:546-547, 1998.
	C39	Schmidt, <i>et al.</i> , "Direct Detection of Hepatitis C Virus (HCV) RNA From Whole Blood, and Comparison With HCV RNA in Plasma and Peripheral Blood Mononuclear Cells," <i>J. Med. Virol.</i> , 47:153-160, 1995.
	C40	Seipp, <i>et al.</i> , "Hepatotropism of GB virus C (GBV-C): GBV-C replication in human hepatocytes and cells of human hepatoma cell lines," <i>J. Hepatol.</i> , 30:570-579, 1999.
	C41	Shimizu, "Replication of GB Virus C (Hepatitis G Virus) in Interferon-Resistant Daudi Cells," <i>J. Virol.</i> , 73(10):8411-8414, 1999.
	C42	Simons, <i>et al.</i> , "Identification of two flavivirus-like genomes in the GB hepatitis agent," <i>Proc. Natl. Acad. Sci. USA</i> 92:34013405, 1995.
	C43	Simons, <i>et al.</i> , "Isolation of novel virus-like sequences associated with human hepatitis," <i>Nature Med.</i> , 1(6):564-569, 1995.
	C44	Simons, <i>et al.</i> , "Translation Initiation in GB Viruses A and C: Evidence for Internal Ribosome Entry and Implications for Genome Organization," <i>J. Virol.</i> , 70(9):6126-6135, 1996.
▼	C45	Stapleton, <i>et al.</i> , "Prospective Comparison of Whole-Blood- and Plasma-Based Hepatitis C Virus RNA Detection Systems: Improved Detection Using Whole Blood as the Source of Viral RNA," <i>J. Clin. Microbiol.</i> , 37(3):484-489, 1999.

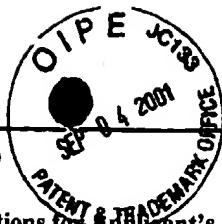
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Mark Wink

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Exam. Init.	Ref. Des.	Citation
W	C46	Tacke, <i>et al.</i> , "Humoral Immune Response to the E2 Protein of Hepatitis G Virus Is Associated With Long-Term Recovery From Infection and Reveals a High Frequency of Hepatitis G Virus Exposure Among Healthy Blood Donors," <i>Hepatol.</i> , 26(6):1626-1633, 1997.
	C47	Tanaka, <i>et al.</i> , "Acute hepatitis caused by sexual or household transmission of GBV-C," <i>J. Hepatol.</i> , 27:1110-1112, 1997.
	C48	Taylor, <i>et al.</i> , "Inhibition of the Interferon-Inducible Protein Kinase PKR by HCV E2 Protein," <i>Science</i> , 285:107-110, 1999.
	C49	Thomas, <i>et al.</i> , "Association of Antibody to GB Virus C (Hepatitis G Virus) with Viral Clearance and Protection from Reinfection," <i>J. Infect. Dis.</i> , 177:539-542, 1998.
	C50	Toyoda, <i>et al.</i> , "Comparison of Characteristics Between Patients With GB Virus C/Hepatitis G Virus (GBV-C/HGV) RNA and Those With GBV-C/HGV E2-Antibody in Patients With Hemophilia," <i>J. Med. Virol.</i> , 60:34-38, 2000.
	C51	Wu, <i>et al.</i> , "Prevalence and Risk Factor Analysis of GBV-C/HGV Infection in Prostitutes," <i>J. Med. Virol.</i> , 52:83-85, 1997.
	C52	Wu, <i>et al.</i> , "Promoter-Dependent Tissue-Specific Expressive Nature of Imprinting Gene, Insulin-like Growth Factor II, in Human Tissues," <i>Biochem. Biophys. Res. Commun.</i> , 233(1):221-6, 1997.
	C53	Wünschmann & Stapleton, "Fluorescence-Based Quantitative Methods for Detecting Human Immunodeficiency Virus Type 1-Induced Syncytia," <i>J. Clin. Microbiol.</i> , 38(8):3055-3060, 2000.
	C54	Wünschmann, <i>et al.</i> , "Characterization of Hepatitis C Virus (HCV) and HCV E2 Interactions with CD81 and the Low-Density Lipoprotein Receptor," <i>J. Virol.</i> , 74(21):10055-10062, 2000.
	C55	Xiang, <i>et al.</i> , "Characterization of Hepatitis G Virus (GB-C Virus) Particles: Evidence for a Nucleocapsid and Expression of Sequences Upstream of the E1 Protein," <i>J. Virol.</i> , 72(4):2738-2744, 1998.
	C56	Xiang, <i>et al.</i> , "Full-Length GB Virus C (Hepatitis G Virus) RNA Transcripts Are Infectious in Primary CD4-Positive T Cells," <i>J. Virol.</i> , 74(19):9125-9133, 2000.
▼	C57	Xiang, <i>et al.</i> , "Visualization and characterization of GB virus-C particles: evidence for a nucleocapsid," <i>J. Viral Hepat.</i> , 6(S1):16-22, 1999.

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EXAMINER:

Andy Wane

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Exam. Init.	Ref. Des.	Citation
<i>UW</i>	C58	Yanagi, <i>et al.</i> , "Transcripts from a single full-length cDNA clone of hepatitis C virus are infectious when directly transfected into the liver of a chimpanzee," <i>Proc. Nat'l. Acad. Sci.</i> , 94:8738-8743, 1997.
<i>UW</i>	C59	Yanagi, <i>et al.</i> , "Transcripts of a Chimeric cDNA Clone of Hepatitis C Virus Genotype 1b Are Infectious <i>in Vivo</i> ," <i>Virology</i> , 244:161-172, 1998.

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EXAMINER:

Kathy Wren

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